



October 27, 2011

Weekly Meeting Memo CSE-24

MEMO

TO: Cliff Ogburn, Town of Nags Head, NC

FROM: Haiqing L. Kaczkowski (PE) and Tim W. Kana (PG)

RE: Nags Head Beach Nourishment Project (CSE 2203)

Weekly Project Meeting of the Town, the Contractor, and the Engineer

The weekly project meeting of the Town of Nags Head, the Contractor (Great Lakes Dredge & Dock, referred to as GLDD) and the Engineer (Coastal Science & Engineering, referred to as CSE) was held from 9:10 a.m. to 9:40 a.m. on Thursday, 27 October 2011, at the Town Hall. Items discussed during the meeting are summarized herein.

1) GLDD Production Updates and Project Completion

The Dodge Island and the Padre Island have made steady progress during the past week and have completed the remaining sections located between stations 571+00 and 605+00 and between stations 623+00 and 627+00 using two submerged pipelines near stations 571+00 and 605+00. The Padre Island pumped the last load of sand near station 585+00 at 8:20 am on the morning of this meeting, 27 October 2011, and as of this date the Nags Head Nourishment Project was completed in compliance with the state and federal permits and without any environmental incidents. Approximately 4.6 million cubic yards of sand have been placed along the 10 mile stretch of beach at Nags Head since the first load of sand was pumped on the beach on Tuesday evening, 24 May 2011.

GLDD will survey the newly nourished beach between stations 571+00 and 605+00 and will submit the volume calculations to the town and to CSE. The last payment request on sand



quantities will be processed after CSE verifies the data, and there will be one final payment request upon the completion of demobilization.

2) GLDD Demobilization

Demobilization of the project area is expected to be completed during the next 3 weeks following the completion of the project. Shore pipes on the newly nourished beach between stations 571+00 and 605+00 will be broken down and brought to the staging area at Gray Eagle Street within two days, and then will be sent offsite along with the remaining pipes and equipment in that staging area and in the staging area near Surfside Drive. The remaining offshore submerged pipes will be disassembled and shipped offsite within two weeks (weather permitting).

3) Town's Punch List and Data Submission Request

The project manual specifies that the contractor is required to restore the upland areas of any beach accesses used by equipment. Any damaged pavement at staging areas will be repaired and ungraded mounds on the beach will be leveled. CSE's on site crew inspected the whole project area on October 22 and 24, and representatives from the town, GLDD, and CSE will meet this afternoon (October 27) to inspect the beach and put together a punch list for GLDD to address before they turn in the project. CAMA representatives will also inspect the project area and verify that the project has been completed in compliance with the state permit.

After this meeting, CSE will inform the Regulatory Project Manager regarding the completion of the pumping operations, and will provide the federal and state regulators with written notification upon the completion of the final dress up and demobilization. The federal permit requires that CSE shall submit a detailed map of the final dimensions of the S1 Borrow Area and the final Biological Monitoring Plan to the U.S. Environmental Protection Agency and to the USACE within forty-five days of project completion.

As required in the project manual and federal permits, GLDD shall submit remaining daily reports including a post-dredging summary sheet for endangered species observation, survey data and construction photographs to CSE, and shall also submit non-capture trawl sweeping logs to the Regulatory Project Manager and to CSE following the completion of the project.



4) Sea Turtle Monitoring on the Beach

Sea turtle monitoring on the beach has been going smoothly. No deviations have been reported this week, and all turtle monitoring activities on the beach will cease after tonight.

5) Biological Monitoring Plan

The town is currently reviewing CZR's post-dredging biological monitoring proposal while waiting for comments from interested parties on the pre-dredging biological monitoring report which was submitted on 29 September 2011. If the pre-dredging monitoring report is deemed satisfactory by resource agencies, the first post-project sampling event is expected to occur in November (weather permitting). The sampling schedule will coincide with CSE's post-project data collection. If agencies have any comments or suggested changes, CSE will coordinate with CZR to determine what revisions need to be made to the report and will re-submit a revised version if necessary.

6) Sand Fencing for Dune Restoration

The town is authorizing the placement of sand fencing on the eastern face of the primary dune at residential properties along the oceanfront following the completion of the beach nourishment project. CAMA regulations require that sand fencing be placed in 10 ft sections at 45 degree angles and 10 ft apart. CSE recommends that the town install the fencing at the toe of the dune as far landward as possible to avoid interfering with the newly constructed berm and to enhance the existing dune edge. CSE will provide detailed recommendations to the town as to where to place the fencing in front of individual properties.

7) Anticipated Events and Schedule for Next Week

Thursday, 3 November, at 9 a.m. — Weekly project meeting at the Town Hall

(The Town, the Contractor, and the Engineer are expected to attend. This may be the last weekly project meeting.)

Enclosure: List of attendees and their contact information